

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claim 1 (Original): A liquid cartridge for supplying liquid to an external device connected therewith, comprising:

a casing;

a partition member movably fit in the casing, the partition member partitioning the casing into a first chamber and a second chamber;

an outlet port communicating between the first chamber and the external device; and

a pressure unit housed in the second chamber, the pressure unit pressing the partition member so as to discharge the liquid out of the outlet port.

Claim 2 (Currently Amended): The liquid cartridge of claim 1, wherein:

the partition member comprises a partition which is pressed by the pressure unit and an envelope having flexibility connected with the partition.

Claim 3 (Withdrawn): The liquid cartridge of claim 1, wherein:

the casing further comprises a reservoir at a vicinity of the outlet port and a surface of the casing at a side of the outlet port is slanted so as to be a wedge shape which shrinks along with departing from the reservoir toward a distal end thereof.

Claim 4 (Withdrawn): The liquid cartridge of claim 1, further comprising:

a detection unit detecting a residual amount of the liquid.

Claim 5 (Withdrawn): The liquid cartridge of claim 1, further comprising:
a regulator regulating a flow rate of the liquid.

Claim 6 (Withdrawn): The liquid cartridge of claim 1, further comprising:
an opening introducing outside air and communicating with the second chamber.

Claim 7 (Original): The liquid cartridge of claim 1, wherein:
the liquid cartridge houses a fuel applied to a fuel cell.

Claim 8 (Original): The liquid cartridge of claim 1, wherein:
the pressure unit comprises a pre-compressed elastic body.

Claim 9 (Withdrawn): The liquid cartridge of claim 1, wherein:
the pressure unit comprises pre-compressed gas.

Claim 10 (Withdrawn): The liquid cartridge of claim 1, wherein:
the pressure unit inflates gas within the second chamber by means of mixing at least
two ingredients.

Claim 11 (Withdrawn): The liquid cartridge of claim 10, further comprising:
a mixing unit configured to start mixing the ingredients in a case where the liquid
cartridge is installed in the external device.

Claim 12 (Withdrawn): The liquid cartridge of claim 1, wherein:

the pressure unit comprises a pump chamber, a first check valve communicating with an outside so as to conduct air to the pump chamber, a second check valve conducting the air in the pump chamber to the second chamber and a movable film having a weight wherein the weight swung by an outside force operates the film so as to conduct the air via the first check valve into the pump chamber and further conduct the air in the pump chamber via the second check valve into the second chamber in a compressed manner.

Claim 13 (Withdrawn): The liquid cartridge of claim 1, further comprising:

a closer unit closing the outlet port, the closer unit being opened when the liquid cartridge is installed in the external device.

Claim 14 (Currently Amended): A liquid cartridge for supplying liquid to an external device connected therewith, comprising:

a casing;

a liquid housing body housed in the casing, the liquid housing body housing the liquid;

an outlet port communicating between the liquid housing body and the external device; and

a pressure unit housed in the ~~second chamber~~ casing, the pressure unit pressing the liquid housing body so as to discharge the liquid out of the outlet port.

Claim 15 (Withdrawn-Currently Amended): A fuel cell system comprising:

a fuel cell having one or more anodes, one or more cathodes and electrolytes respectively put therebetween;

a pump feeding air to the cathodes; and

a liquid cartridge supplying ~~liquid~~ fuel to the anode, the liquid cartridge including:

a casing;

a partition member movably fit in the casing, the partition member partitioning the casing into a first chamber and a second chamber;

an outlet port communicating between the first chamber and the ~~external device~~ fuel cell; and

an inlet port introducing air fed by the pump into the second chamber so as to press the partition member so that the fuel is discharged out of the outlet port.

Claim 16 (Withdrawn-Currently Amended): A fuel cell system comprising:

a fuel cell having one or more anodes, one or more cathodes and electrolytes respectively put therebetween;

a pump feeding air to the cathodes; and

a liquid cartridge supplying ~~liquid~~ fuel to the anode, the liquid cartridge including:

a casing;

a liquid housing body housed in the casing, the liquid housing body housing the ~~liquid~~ fuel;

an outlet port communicating between the liquid housing body and the ~~external device~~ fuel cell; and

an inlet port introducing air fed by the pump into the casing so as to press the liquid housing body so that the fuel is discharged out of the outlet port.

Claim 17 (Withdrawn-Currently Amended): A fuel cell system comprising:
a fuel cell having one or more anodes, one or more cathodes and electrolytes
respectively put therebetween;
a pump feeding air to the cathodes; and
a liquid cartridge supplying liquid fuel to the anode, the liquid cartridge including:
a casing;
a partition member movably fit in the casing, the partition member partitioning the
casing into a first chamber and a second chamber;
an outlet port communicating between the first chamber and the ~~external device~~fuel
cell;
a pressure unit housed in the second chamber, the pressure unit pressing the partition
member so as to discharge the liquid fuel out of the outlet port; and
an inlet port introducing exhaust from the cathode into the second chamber.

Claim 18 (New): The liquid cartridge of claim 1, further comprising:
an envelop liquid-tightly connected with the partition member and a wall of the casing
so as to house the liquid.

Claim 19 (New): A liquid cartridge for supplying fuel to a fuel cell of a fuel cell
system, comprising:
a casing installable in the fuel cell system;

a partition member movably fit in the casing, the partition member partitioning the casing into a first chamber and a second chamber, the first chamber being configured to house the fuel;

an outlet port communicating between the first chamber and the fuel cell; and

a pressure unit housed in the second chamber, the pressure unit pressing the partition member so as to discharge the fuel out of the outlet port.

Claim 20 (New): The liquid cartridge of claim 19, wherein:

the partition member comprises a partition which is pressed by the pressure unit and
an envelope having flexibility connected with the partition.

Claim 21 (New): The liquid cartridge of claim 19, wherein:

the pressure unit comprises a pre-compressed elastic body.

Claim 22 (New): The liquid cartridge of claim 19, further comprising:

an envelop liquid-tightly connected with the partition member and a wall of the casing so as to house the liquid.